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**(54) Magnetic memory device**

(57) A magnetic memory device includes a plurality of magnetoresistive elements (101,102) arranged on a first plane in a matrix form, a plurality of first writing lines (11, 12) which are arranged on a second plane different from the first plane adjacent to the magnetoresistive elements, a first address decoder (110) which selects a desired one from the plurality of first writing lines, a plu-

ality of second writing lines (21, 22) crossing the plurality of first writing lines on a third plane different from the second plane and having parts adjacent to the plurality of magnetoresistive elements on the second plane and parallel to the plurality of first writing lines, and a second address decoder (120) which selects a desired one from the plurality of second writing lines.

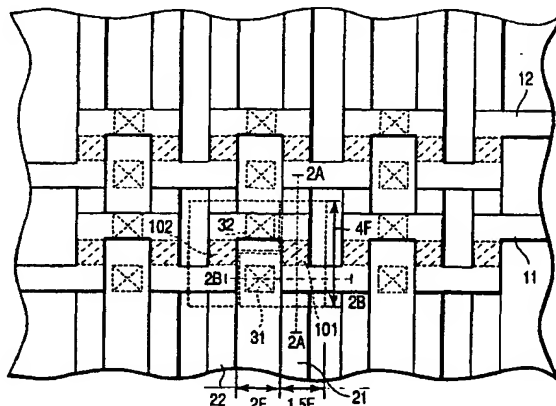


FIG. 1

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## EUROPEAN SEARCH REPORT

Application Number  
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			G11C
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>31 July 2003</b>	Examiner <b>Degraeve, L</b>
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons A : technological background O : non-written disclosure P : intermediate document & : member of the same patent family, corresponding document	
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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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